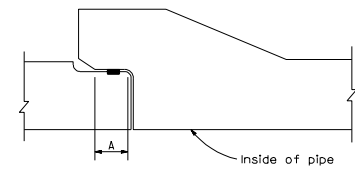


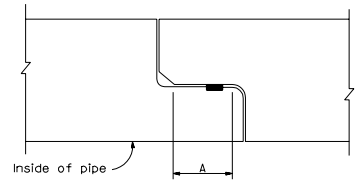
DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

Caltrans
Metric
 REGISTERED CIVIL ENGINEER
 July 1, 1999
 PLANS APPROVAL DATE
 The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

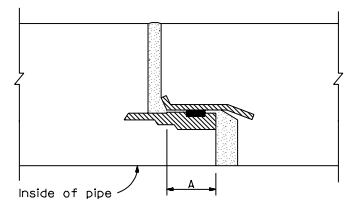
REGISTERED PROFESSIONAL ENGINEER
 CLAYTON D. COLE
 No. C34547
 Exp. 9-30-99
 CIVIL
 STATE OF CALIFORNIA



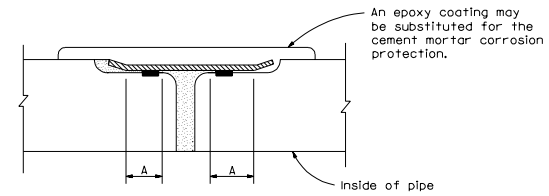
CONCRETE JOINT-FLARED BELL DESIGN



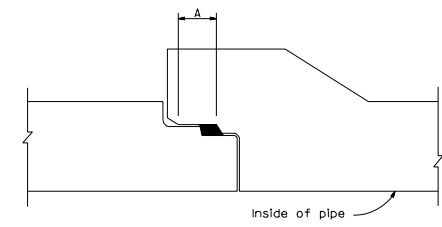
CONCRETE JOINT-FLUSH BELL DESIGN



STEEL JOINT-FLUSH BELL DESIGN






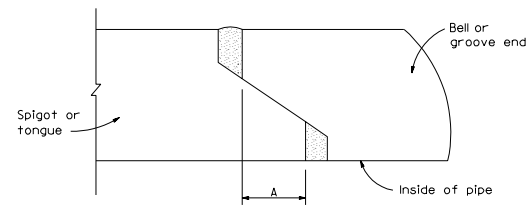
CONCRETE JOINT-DOUBLE GASKET DESIGN



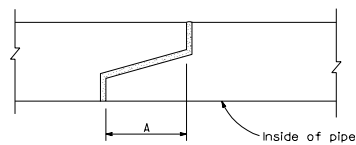
CONCRETE JOINT-FLARED BELL DESIGN
(TYPE R-3)

LEGEND

-  Cement Mortar
-  Rubber Gasket
-  Steel



SELF-CENTERING TONGUE & GROOVE



TONGUE & GROOVE DESIGN

DIMENSION	STANDARD	POSITIVE	PIPE DIAMETER LIMITS
A	6 mm Min	13 mm Min	150 mm through 300 mm Dia
A	13 mm Min	19 mm Min	375 mm through 825 mm Dia
A	19 mm Min	25 mm Min	Greater than 825 mm Dia

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
**REINFORCED CONCRETE PIPE OR
 NON-REINFORCED CONCRETE PIPE
 STANDARD AND POSITIVE JOINTS**

NO SCALE
 ALL DIMENSIONS ARE IN
 MILLIMETERS UNLESS OTHERWISE SHOWN

D97H